1. What does an empty dictionary's code look like?

**Example:**

**Data=dict()**

**Or**

**Data={}**

2. What is the value of a dictionary value with the key 'foo' and the value 42?

**dict={‘foo’:42}**

3. What is the most significant distinction between a dictionary and a list?

**A dictionary contains data stored in the form and key and values format, whereas list doesn’t store data in this form.**

4. What happens if you try to access spam['foo'] if spam is {'bar': 100}?

**KeyError is generated as dictionary spam doesn’t contain a Key named ‘foo’.**

5. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.keys()?

**They both mean the same where both the code are checking whether the key name cat is present in the dictionary.**

6. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.values()?

**Here the expression ‘cat’ in spam checks whether the key ‘cat’ is present as key in dictionary spam, whereas ‘cat’ in spam.values() is a module that checks whether ‘cat’ is a value in the dictionary spam.**

7. What is a shortcut for the following code?

if 'color' not in spam:

spam['color'] = 'black'

**alternative code:**

**if ‘color’ not in spam:**

**spam.update({‘color’:’black’})**

8. How do you "pretty print" dictionary values using which module and function?

**from pprint import pprint**

**pprint(dict)**